CONTENTS OF VOLUME 30

Vol. 30 No. 1 May 1995

J.W. SKILES / Modeling Climate Change in the Absence of Climate Change Data. Editorial Comment 1–6

SCOTT C. VAN BLARCUM, JAMES R. MILLER and GARY L. RUSSELL / High Latitude River Runoff in a Doubled CO_2 Climate 7–26

JAMES M. LENIHAN and RONALD P. NEILSON / Canadian Vegetation Sensitivity to Projected Climatic Change at Three Organization Levels 27–56

LINDA A. HALSEY, DALE H. VITT and STEPHEN C. ZOLTAI / Disequilibrium Response of Permafrost in Boreal Continental Western Canada to Climate Change 57–73

BARRY D. SOLOMON / Global CO_2 Emissions Trading: Early Lessons from the U.S. Acid Rain Program 75–96

Correspondence

JOHN R. CHRISTY and ROY W. SPENCER / Assessment of Precision in Temperatures from the Microwave Sounding Units 97–102

JAMES HANSEN, HELENE WILSON, MAKIKO SATO, RETO RUEDY, KATHY SHAH and ERIK HANSEN / Satellite and Surface Temperature Data at Odds? 103–117

Book Review

Janssen, M.A. (ed.), *Atmospheric Remote Sensing by Microwave Radiometry*, John Wiley & Sons, Inc., New York, 572 pp., 1993.(ANDREW A. LACIS) 119–120

Colour Section 121–124

Vol. 30 No. 2 June 1995

JAMES K. HAMMIT / Outcome and Value Uncertainties in Global-Change Policy 125–145

RICHARD M. ADAMS, RONALD A. FLEMING, CHING-CHANG CHANG, BRUCE A. McCARL and CYNTHIA ROSENZWEIG / A Reassessment of the Economic Effects of Global Climate Change on U.S. Agriculture 147–167

DIANE L. LARSON / Effects of Climate on Numbers of Northern Prairie Wetlands 169–180

B. A. SINOKROT, H. G. STEFAN, J. H. McCORMICK and J. G. EATON / Modeling of Climate Change Effects on Stream Temperatures and Fish Habitats Below Dams and Near Groundwater Inputs 181–200

JAVIER MARTÍN-VIDE and MARIANO BARRIENDOS VALLVÉ / The Use of Rogation Ceremony Records in Climatic Reconstruction: A Case Study from Catalonia (Spain) 201–221

JEAN M. GROVE and ANNALISA CONTERIO / The Climate of Crete in the Sixteenth and Seventeenth Centuries 223–247

Vol. 30 No. 3 July 1995

STEN NILSSON / Valuation of Global Afforestation Programs for Carbon Mitigation. An Editorial Essay 249–257

HANS FREDRIK HOEN and BIRGER SOLBERG / On "Valuation of Global Afforestation Programs for Carbon Mitigation" by Sten Nilsson. An Editorial Comment 259–266

STEN NILSSON and WOLFGANG SCHOPFHAUSER / The Carbon-Sequestation Potential of a Global Afforestation Program 267–293

JOHN F. STAMM and ANDREW GETTELMAN / Simulation of the Effect of Doubled Atmospheric CO_2 on the Climate of Northern and Central California 295–325

KEVIN J. HENNESSY and KEVIN CLAYTON-GREENE / Greenhouse Warming and Vernalisation of High-Chill Fruit in Southern Australia 327–348

C. PRABHAKARA, J.J. NUCCIARONE and JUNG-MOON YOO / Examination of 'Global Atmospheric Temperature Monitoring with Satellite Microwave Measurements': 1) Theoretical Considerations 349–366

Vol. 30 No. 4 August 1995

ARTURO A. KELLER and ROBERT A. GOLDSTEIN / Oceanic Transport and Storage of Carbon Emissions 367–395

JAAP KWADIJK and JAN ROTMANS / The Impact of Climate Change on the River Rhine: A Scenario Study 397–426

INDUR M. GOKLANY / Strategies to Enhance Adaptability: Technological Change, Sustainable Growth and Free Trade 427–449

TIMO KARJALAINEN, SEPPO KELLOMÄKI, and ARI PUSSINEN / Carbon Balance in the Forest Sector in Finland during 1990–2039 451–478

Book Review

Robert G. Fleagle, *Global Environmental Change: Interactions of Science, Policy, and Politics in the United States* (ROBERT D. GLASSER) 479–482

Volume Contents 483–485

Author Index 486